INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/005808

		PCT/JP2	2004/005808	
A. CLASSIFIC	ATION OF SUBJECT MATTER	- -		
Int.Cl ⁷ H01L27/148, H04N5/335				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEA				
Minimum documentation searched (classification system followed by classification symbols)				
Int.Cl ⁷ H01L27/148, H04N5/335				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2004				
Kokai Jitsuyo Shinan Koho 1971-2004 Toroku Jitsuyo Shinan Koho 1994-2004				
Electronic data b	ase consulted during the international search (name of da	ata base and, where practicable, search to	erms used)	
1				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
	Citation of document, with indication, where app	ropriate, of the relevant passages	Relevant to claim No.	
Category*	·		1,3,4,5,6	
X Y	JP 55-165687 A (Fujitsu Ltd.) 24 December, 1980 (24.12.80),	,	1,3,4,5,6	
ı ı	Full text; all drawings			
J	(Family: none)		<u> </u>	
	-	.m		
Y	JP 11-136558 A (Hamamatsu Pho	DIONICS KADUShiki	.2	
	Kaisha), 21 May, 1999 (21.05.99),			
	Full text; all drawings			
	(Family: none)			
	TD 5 100400 7 (D) 3 5	4)	2	
Y	JP 5-182490 A (Ricoh Co., Ltd.), 23 July, 1993 (23.07.93),			
1	Full text; all drawings			
	(Family: none)			
1				
Forther de	ocuments are listed in the continuation of Box C.	See patent family annex.		
"A" document defining the general state of the art which is not considered		date and not in conflict with the appli	ication but cited to understand	
to be of particular relevance		the principle or theory underlying the "X" document of particular relevance; the		
filing date		considered novel or cannot be considered to involve an inventive		
"L" document v	which may throw doubts on priority claim(s) or which is tablish the publication date of another citation or other	step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be		
special reason (as specified)		considered to involve an inventive step when the document is combined with one or more other such documents, such combination		
"O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than		 combined with one or more other such being obvious to a person skilled in t 	the art	
the priority date claimed		"&" document member of the same paten		
		Data of mailing of the intermediane	arch report	
Date of the actual completion of the international search 05 July, 2004 (05.07.04)		Date of mailing of the international search report 20 July, 2004 (20.07.04)		
os our	y, 2004 (00.07.04)]	· · r ·	
	an address of the ICA	Authorized officer		
Name and mailing address of the ISA/ Japanese Patent Office		Audionzed officer		
Faminalla Ma		Telephone No.		